

INST. FÖR TUMÖR BIOLOGI
KAROLINSKA INSTITUTET
STOCKHOLM 60

DEPT. OF TUMOR BIOLOGY
KAROLINSKA INSTITUTET
STOCKHOLM 60

Stockholm, April 27, 1961

Professor Joshua Lederberg
Stanford University
Medical Center
Department of Genetics
Palo Alto, Calif.
USA

Dear Joshua:

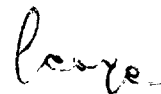
Thank you very much for your letter of April 24. Many thanks also for the advance honorarium which will solve all the problems regarding the deposit for the house, etc. I hope that this is not too much trouble for you. We have now made arrangements to arrive on June 10. I shall let you know the exact time of our arrival as soon as I get the reservations confirmed.

Eva thinks that experiments regarding the transfer of genetic information in *B. subtilis* by DNA sound very exciting. Have you seen the recent letter of Ephrussi regarding fusion in somatic cells? It shows fusion very clearly, with help of chromosome markers, and it does not seem to be a very rare occurrence at all. On the other hand, the cells fused are all tetraploid and in his paper there is no evidence for segregation. Should there be segregation as a regular event, we ought to have seen it in the experiments on mixing two F_1 tumors. A lot could be done with fused cells without segregation also, at least as far as questions of dominance and gene expression are concerned. The "somatic crossing over" project which I mentioned in Bar Harbor is going on at full speed and so far we have not obtained anything that would contradict or exclude this mechanism. Much more remains to be done, however, before we can be sure of it.

We are getting closer to the day of the departure and, although things get more and more hectic all the time, we are looking with great expectation and, indeed, relief (that is, relief from the telephone, from visitors, from the new building, from committees, etc.) to our trip.

With warmest greetings, also to Esther,

Yours as ever,



George Klein